United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

OCTOBER 1933

Any of the publications listed herein may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D.C. As his office is not connected with the Department, PLEASE SEND NO REMITTANCE to the United States Department of Agriculture.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Selecting a farm. E. H. Thomson, Office of Farm Management. 19 p., illus. (F.B. 1088F., rev.) Price, 5¢.

Farm plumbing. George M. Warren, Bureau of Agricultural Engineering. 22 p., illus. (F.B. 1426F., rev.) Price, 5¢.

Selling black walnut timber. Warren D. Brush, Forest Service. 21 p., illus. (F.B. 1459F., rev.) Price, 5¢.

Leather shoes: Selection and care. F. P. Veitch, R. W. Frey, and H. P. Holman, Bureau of Chemistry. 22 p., illus. (F.B. 1523F., rev.) Price, 5¢.

Lubricating-oil sprays for use on dormant fruit trees. A. L. Quaintance, E. J. Newcomer, and B. A. Porter, Bureau of Entomology. 18 p., illus. (F.B. 1676F., rev.) Price, 5¢.

Methods and costs of husking corn in the field. Kenneth H. Myers, Bureau of Agricultural Economics. 18 p., illus. (F.B. 1715F.) Price, 5¢.

Game laws for the season 1933–34: A summary of Federal, State, and Provincial statutes. H. P. Sheldon and Frank G. Grimes, Bureau of Biological Survey. 41 p. (F.B. 1717F.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Protecting poultry from predacious birds. W. L. McAtee, Bureau of Biological Survey. 6 p., illus. (Leaf. 96L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

The effect of different colloidal soil materials on the efficiency of superphosphate. Philip L. Gile, Bureau of Chemistry and Soils. 50 p., illus. (T.B. 371T.) Price, 5¢.

Sweetclover in Great Plains farming. M. A. Crosby, Bureau of Agricultural Economics. 54 p., illus. (T.B. 380T.) Price, 5¢.

Feeding value for milk production of pasture grasses when grazed, when fed green, and when fed as hay or silage. R. R. Graves, J. R. Dawson, D. V. Kopland, and T. W. Moseley, Bureau of Dairy Industry. 48 p. (T.B. 381T.) Price, 5¢.

The silt load of Texas streams. Orville A. Faris, Bureau of Agricultural Engineering. 71 p., illus. (T.B. 382T.) Price, 10¢.

Microbiological studies of salt in relation to the reddening of salted hides. L. S. Stuart, R. W. Frey, and Lawrence H. James, Bureau of Chemistry and Soils. 24 p., illus. (T.B. 383T.) Price, 5¢.

Inheritance of stem-rust reaction and correlation of characters in Pentad, Nodak, and Akrona durum-wheat crosses. Glenn S. Smith and J. Allen Clark, Bureau of Plant Industry. 28 p., illus. (T.B. 385T.) Price, 5¢.

The decomposition of hydrolytic peat products including ammoniated peat. I. C. Feustel and H. G. Byers, Bureau of Chemistry and Soils. 32 p. (T.B. 389T.) Price, 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

American tobacco types, uses, and markets. Charles E. Gage, Bureau of Agricultural Economics. 88 p., illus. (Cir. 249C., rev.) Price, 20¢.

Orchard insects of the Pacific Northwest and their control. E. J. Newcomer, Bureau of Entomology. 77 p., illus. (Cir. 270C.) Price, 10¢.

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Virus and viruslike diseases of the potato in the Northwest and their control. M. B. McKay, T. P. Dykstra, H. E. Morris, P. A. Young, B. L. Richards, and H. L. Blood, Bureau of Plant Industry. 32 p., illus. (Cir. 271C.) Price, 5¢.

Portable refrigeration chambers for studying cold resistance of plants in the field. J. R. Holbert, Bureau of Plant Industry, W. L. Burlison, University of Illinois, and A. G. Johnson, Bureau of Plant Industry. 28 p., illus. (Cir. 285C.) Price, 5¢.

Variety tests of sugarcanes in Louisiana during the crop year 1931–32. George Arceneaux, I. E. Stokes, R. B. Bisland, and C. C. Krumbhaar, Bureau of Plant Industry. 32 p. (Cir. 298C.) Price, 5¢.

DEPARTMENT CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletins. The series ended in 1927 and is succeeded by the Circular series.

How lumber is graded. H. S. Betts and R. K. Helphenstine, Jr., Forest Service. 48 p. (D.C. 64DC., rev.) Price, 5¢.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Grade, staple length, and tenderability of cotton in the United States, 1928–29 to 1931–32. Bureau of Agricultural Economics. 158 p. (S.B. 40S.) Price, 10¢.

Wheat futures: Volume of trading, open commitments, and prices from January 2, 1930 to December 31, 1932. Grain Futures Administration. 110 p. (S.B. 41S.) Price, 10¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Testing milk and cream. Philip A. Wright, Bureau of Dairy Industry. 42 p., illus. (M.P. 161MP.) Price, 5¢.

Officials and organizations concerned with wild-life protection, 1933. Frank G. Grimes, Bureau of Biological Survey. 13 p. (M.P. 166MP.) Price, 5¢.

A fruit and vegetable buying guide for consumers. R. G. Hill, Bureau of Agricultural Economics. 62 p. (M.P. 167MP.) Price, 5¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report contalning brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Indiana, Blackford County. (No. 32, series 1928.) Price, 15¢.

Iowa, Hancock County. (No. 9, series 1930.) Price, 20¢.

New York, Delaware County. (No. 7, series 1930.) Price, 40¢.

Texas, Van Zandt County. (No. 33, series 1928.) Price, 30¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Grades, requirements, and regulations of the Secretary of Agriculture for carrying out the provisions of the Export Apple and Pear Act of June 10, 1933. (48 Stat. 123.) Bureau of Agricultural Economics. (October 1933. 4 p. (S.R.A.-B.A.E. 143.)[1]

Service and regulatory announcements, Bureau of Animal Industry. August 1933. pp. 73–80. (S.R.A.-B.A.I. 316.); September 1933. pp. 81–87. (S.R.A.-B.A.I. 317.) Price, 5¢ each.

Pink bollworm quarantine. Quarantine No. 52, revision of regulations. Effective September 19, 1933. Bureau of Plant Quarantine. 8 p. (B.P.Q.-Q. 52.)[1]

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[1] These may be obtained from the issuing bureau.

OTHER PUBLICATIONS

Annual Report of the Chief of the Grain Futures Administration, 1933. J. W. T. Duvel. 10 p. Price, 5¢.

Feeding dairy cows in the Matanuska region, Alaska. W. T. White, Matanuska station, Alaska. 10 p. (Alaska Cir. 5.) Price, 5¢.

Plant material introduced by the Division of Foreign Plant Introduction, Bureau of Plant Industry, October 1 to December 31, 1931. (Nos. 94283–95551.) 35 p. (B.P.I. Inventory 109.) Price, 5¢.

Report of the Chief of the Bureau of Home Economics, 1933. Louise Stanley. 13 p. Price, 5¢.

Report of the Chief of the Food and Drug Administration, 1933. W. G. Campbell. 19 p. Price, 5¢.

Report of the Chief of the Office of Experiment Stations, 1933. James T. Jardine. 12 p. Price, 5¢.

Report of the Director of Information, 1933. M. S. Eisenhower. 11 p. Price, 5¢.

Report of the Guam Agricultural Experiment Station, 1930–31, 1931–32. 24 p., illus. Price, 5¢.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

NOTE.—The Agricultural Adjustment Administration (also known as the Emergency Agricultural Adjustment Administration and the A.A.A.) was established under the provisions of sec. 10 (a) of H.R. 3835, 73d Congress (Public 10, approved May 12, 1933), an act to relieve existing national economic emergency by increasing agricultural purchasing power, etc.

The corn-hog problem. 12 p. (C-H 1.)

Adjustment for corn-hog farms. 20 p. (C-H 5.)

A handbook on the Corn-Hog Production Adjustment Plan for 1934–35, including statement by the Secretary of Agriculture, the economic background of the corn-hog production problem and an explanation, with examples, of the plan itself.

The Agricultural Adjustment Act and its operation. 13 p. (G-1.)

The first four months under the Farm Act. George N. Peek, Administrator. 8 p. (G-2.)

A balanced harvest. (With Wheat Plan Work Sheet.) Henry A. Wallace. 12 p. illus. (W-5–6.)

Answers to the questions you are asking on the Wheat Adjustment Plan. Wheat Section. 8 p. (W-17.)

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 17, no. 10, October 1, 1933. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.[2]

Crops and markets. Vol. 10, no. 9, September 1933. Price, 10¢ a copy; $1.00 a year, domestic; $1.50 a year, foreign.[2]

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, $3 a year; daily, including Sundays and holidays, 30¢ a month, $3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, $7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, $2.40 a year.[2]

Experiment station record. Vol. 69, no. 3, September; no. 4, October 1933. Price, $1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; $1.50 per volume, foreign. Single number for sale only. Price, 15¢.[2]

Extension service review. Vol. 4, no. 5, September 1933. Illus. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.[2]

Journal of agricultural research. Price, $2.25 a year domestic; $3.50 a year foreign. Not distributed free to individuals. Each issue, price 10¢; 15¢, foreign. Reprints, 5¢ each.[2]

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

——— vol. 47, no. 5. Illus. September 1, 1933.

Contents:

The flight range of the honeybee. Key No. K-242. John E. Eckert.
Methods of controlling pollination in the pecan. Key No. G-859. Hamilton P. Traub and L. D. Romberg.

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D.C.

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Blister rust damage to northern white pine at Waterford, Vt. Key No. G-860. E. C. Filer.

Cytology and breeding of *Rubus macropetalus*, the Logan, and related blackberries. Key. No. G-861. George M. Darrow and A. E. Longley.

Effect of the calcium-phosphorus relationship of the ration on growth and bone formation in the pig. Key No. Ohio-14. R. M. Bethke, B. H. Edington, and C. H. Kick.

Physiologic specialization of *Sphacelotheca cruenta* (Kühn) Potter. Key No. Kans.-69. L. E. Melchers.

Belated development of kernel smut (*Sphacelotheca sorghi*) in apparently healthy sorghum plants. Key No. Kans.-70. L. E. Melchers.

Journal of agricultural research. vol. 47, no. 6. Illus. September 15, 1933.

Contents:

Effect of environmental and cultural factors on the dwarf disease of alfalfa. Key No. G-862. J. L. Weimer.

Effect of steam sterilization on susceptibility of wood to blue-staining and wood-destroying fungi. Key No. G-864. A. Dale Chapman.

Some physiological effects of ultraviolet radiation on honeybees. Key No. K-243. Lloyd M. Bertholf.

Effect of stand irregularities upon the acre yield and plant variability of corn. Key No. Nebr.-17. T. A. Kiesselbach and Ralph M. Weihing.

Influence of pasture management upon the grazing habits of dairy cattle. Key No. I-14. R. E. Hodgson.

True and apparent digestibility of oat hulls and alfalfa meal by swine, with special reference to the ability of swine to digest cellulose and crude fiber. Key No. Ill.-55. H. H. Mitchell and T. S. Hamilton.

An apparatus for the ready determination of areas of compound leaves. Key No. Mich.-23. Roy E. Marshall.

The recovery of *Salmonella pullorum* from the feces of adult carriers of pullorum disease. Key No. N.C.-30. R. E. Greaves, R. S. Dearstyne, and H. C. Gauger.

——— vol. 47, no. 7. Illus. October 1, 1933.

Contents:

Some factors influencing the variability in length of cotton fibers on individual plants as shown by the sorter method. Key No. S.C.-7. G. M. Armstrong and C. C. Bennett.

Effect of soil fertility, boll-maturation period, and early or late production of bolls on the length of cotton fibers. Key No. S.C.-8. G. M. Armstrong and C. C. Bennett.

The nature of the sheath material in the feeding punctures produced by the potato-leaf hopper and the three-cornered alfalfa hopper. Key No. K-244. Floyd F. Smith.

Vitamin A content of barley. Key No. Calif.-64. E. H. Hughes.

Assimilation of fixed nitrogen by grasses and clovers. Key No. Mass.-37. A. B. Beaumont, W. S. Eisenmenger, and W. J. Moore, Jr.

Injury to apple by petroleum-oil sprays. Key No. Mont.-22. Paul A. Young and H. E. Morris.

Self- and cross-pollination studies of apple varieties, particularly Rome Beauty and Gallia Beauty. Key No. Ohio-15. Freeman S. Howlett.

Losses of vitamin A in drying fresh raw carrots and sweetpotatoes and canned spinach. Key No. Tex.-10. G. S. Fraps and Ray Treichler.

Monthly weather review. Vol. 61, nos. 6–7, June–July 1933. Illus. Price, 15¢ a copy; $1.50 a year, domestic; $2.25 a year, foreign.[2] Not for general distribution.

Public roads. Vol. 14, no. 7, September 1933. Price, 10¢ a copy, $1 a year, domestic; $1.50 a year, foreign.[2]

Weekly weather and crop bulletin. Nos. 40–43, October 3–24, 1933. Price, 50¢ a year, domestic; $1 a year, foreign.[2]

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D.C.

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